

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): TSURUMI	Atty. Dkt.: 01-497
Serial No.: Unknown	Group Art Unit:
Filed: Concurrently herewith	Examiner:
Title: MAP DATA PRODUCTION SYSTEM FOR PROVIDING MAP DATA INCLUDING ROAD GRADE DATA	

Commissioner for Patents
Arlington, VA 22202

Date: November 21, 2003

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the reference(s) listed on the attached Form PTO-1449 is/are submitted for consideration by the Examiner without any admission that it/they constitute(s) statutory prior art, or without any admission that it/they contain(s) subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference(s) has/have been considered and made of record.

Respectfully submitted,



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FORM PTO-1449		ATTY. DKT NO. 01-497	SER. NO.
		APPLICANT TSURUMI	
		FILING DATE November 21, 2003	GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,787,233	Jul. 28, 1998	Akimoto		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	TRANSLATION	YES	NO
		JP-A-H10-267650 (Discussed I page 2 of the spec.)	10/9/98	JAPAN				X (Abstract)		
		JP-A-H08-247777	9/27/96	JAPAN				X (Abstract)		
		JP-A-H08-304069	11/22/96	JAPAN				X (Abstract)		
		JP-A-2001-50743	2/23/01	JAPAN				X (Abstract)		

* Full English text is available in machine-translated form in JPO (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED	